LU 6096 (US) **PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:)	•		
Alexander Köppl et al.)			
Serial No.: 10/551,676)			
Filed: September 29, 2005)			
For: PREPARATION OF POLYOLEFINS HAVING HIGH MOLECULAR WEIGHTS IN THE PRESENCE OF AN ORGANIC TRANSITION METAL COMPOUND IN A GAS-PHASE FLUIDIZED BED REACTOR)))))			
Mail Stop Amendment		February	6	_, 200

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450 06

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is being filed before the first Office Action on the merits.

Documents cited in the application and in the International Search Report (copy enclosed) are included on Form PTO-1449. Copies of the non-U.S. patent applications and patents are enclosed. The following chart lists the documents in the German language along with the available counterpart in English. Additionally, these counterparts are reflected on Form PTO-1449.

Reference	Counterpart
DE 42 41 530	N/A
DE 197 10 615	US 6,255,418
EP 226,935	US 4,764,056
EP 571,826	N/A
WO 98/40419	N/A
WO 99/06414	US 6,417,302
WO 00/05277	US 6,589,905; US 20030236164 & US 6,812,185

	Reference	Counterpart
Γ	WO 00/31090	N/A
	WO 01/09148	US 6,784,261 & US 20040214970

No payment is believed to be due; however, the Commissioner is hereby authorized to charge USPTO deposit account 08-2336 any payment due and to credit any overpayment thereto.

Respectfully submitted,

ALEXANDER KÖPPL ET AL.

By:

arrod N. Raphael

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Agent for Applicants

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February (

. 2006

Date of Signature

Form PTO-1449

Document Number (optional)

LU 6096 (US)

Application Number

Applicant

10/551,676

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Alexander Köppi et al.

Filing Date

GROUP ART UNIT

September 29, 2005

UNKNOWN

U. S. PATENT DOCUMENTS

EXAMINER INITIALS	DC	cu	ME	MT	NU		ER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
7. P. W. V. V. V.	4	7	6	4	0	1	6	08/16/88	Zentgraf et al.	406	68	12/19/86	
	5	0	7	7	3	[8	12/31/91	Durand et al.	526	125	04/12/91	
	6	2	5	5	4	Ţ	ا 8	07/03/01	Jolly et al.	526	160	07/18/97	
	6	4	1	7	3	1) 2	07/09/02	Bohnen	526	160	07/23/98	
	6	5	8	9	9	() 5	07/08/03	Fischer et al.	502	300	07/13/99	
	6	7	8	4	2	6	5 1	08/31/04	Schopf et al.	526	16	07/25/00	
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		10/28/04	Schopf et al.	526	159	04/22/04							
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FOREIGN PATENT DOCUMENTS

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•	0	4	7	5	6	0	3	03/18/92	EP	C08F	10/00			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

J. Michl et al., Editor, Chemical Reviews, American Chemical Society, Publications
Division, Vol. 100(4), p. 1167-1681 (2000)
H. Brintzinger et al., "ansa-Metallocene derivatives, XVII. Racemic and meso

diastereomers of group IV metallocene derivatives with symmetrically substituted, dimethylsilanediyl-bridged ligand frameworks. Crystal structure of R,S-Me₂Si(3-t-Bu-5-MeC₅H₂)₂ZrCl₂," <u>Journal of Organometallic Chemistry</u>, Vol. 369, p. 359-370 (1989)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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